

## **TRAFFIC ENGINEERING ANALYST**

### **DISTINGUISHING FEATURES**

The fundamental reason the Traffic Engineering Analyst exists is to perform highly technical, professional level work in the Traffic Engineering Division in the Transportation Department. This classification does not supervise. Work is performed under general supervision by the Traffic Engineering Director. The Traffic Engineering Analyst is distinguished from the Senior Traffic Engineering Analyst by the former performing less complex professional level projects.

### **ESSENTIAL FUNCTIONS**

Studies and analyzes major traffic problems and recommends innovative solutions.

Recommends new or revised appropriate signs, striping signs, and speed limits for new or existing streets.

Investigates traffic accidents by reviewing detailed written reports and site observations to assist in accident prevention and reduction.

Designs traffic signals.

Conducts speed studies.

Makes oral presentations and represents the City in public and Transportation Commission meetings related to Traffic Engineering.

Listens and communicates effectively with and provides information and technical advice to, both in writing and verbally, other city divisions and the general public.

Develops, performs and analyzes level of service calculations, trip generation calculations, four way stop and signal warrant investigations, speed limit determinations, accident analysis, and traffic count adjustments.

Identifies and estimates costs of minor operational street improvement projects. Reviews proposals of consultants for traffic studies and investigations. Administers contracts with consultants to conduct various types of traffic studies.

### **MINIMUM QUALIFICATIONS**

#### **Knowledge, Skills, and Abilities**

Knowledge of:

Traffic engineering principles, practices and analysis; and

Microsoft Office software.

Ability to:

Prepare and present effective oral and written reports using proper sentence construction, grammar and punctuation;

Communicate effectively with co-workers, supervisors, other professional level staff, consultants, and the general public;

Operate a variety of standard office equipment that require continuous and repetitive eye, hand and arm movements;

Comprehend and make inferences from technical, detailed reports, maps, and plans;

Operate a radar gun for traffic studies requiring visual and muscular dexterity; and

Maintains regular and consistent attendance.

**Education & Experience**

Any combination of education and experience equivalent to a bachelor's degree in Civil Engineering with specialization in Traffic Engineering or a closely related field and one year of recent relevant experience. Must possess and maintain a valid Arizona standard driver's license with no major violations in the past 39 months.

FLSA Status: Exempt

HR Ordinance Status: Unclassified